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All the members of the Academy are cordially invited to attend them.

The membership of the Section is nearly 80. Two were added, one died, and four resigned during the year.

Nine contributors have also been added to the list.

A Zentmeyer histological stand, and numerous accessories, together with several histological specimens, have been purchased.

On December 2d, the following were elected officers for 1879:—

<i>Director</i>	.	.	.	.	R. S. Kenderdine, M.D.
<i>Vice Director</i>	.	.	.	.	J. H. M ^y Quillen, M.D.
<i>Recorder</i>	.	.	.	.	J. Hess, M.D.
<i>Corresponding Secretary</i>	.	.	.	.	J. N. Peirce, D.D.S.
<i>Conservator</i>	.	.	.	.	J. G. Hunt, M.D.
<i>Treasurer</i>	.	.	.	.	I. Norris, M.D.
<i>Curators</i>	.	.	.	.	Carl Seiler, M.D. Charles Zentmeyer, M.D.
<i>Auditors</i>	.	.	.	.	S. Fisher Corlies, Charles Perot, Charles Dixon, M.D.

Submitted for the Section,

R. S. KENDERDINE, M.D.,

Director.

REPORT OF THE CONCHOLOGICAL SECTION.

The Recorder of the Conchological Section respectfully reports that, during 1878, the following authors have contributed papers which have been published in the Academy's Proceedings:—

C. A. White, 3 pages,	James Lewis, M.D., 2 pages.
Coues & Yarrow, 3 pages.	Mazyck & Vogdes, 1 page.

In addition to these, several verbal communications of value have been made before the Academy by Prof. Joseph Leidy, Mr. John Ford, and others.

Death has again visited us, and taken from our number our much esteemed and valued Vice Director, William M. Gabb.

During his short but very active life as an explorer, author, and collector, Prof. Gabb made extensive collections, most of which are deposited in our museum; and contributed many valuable

papers, upon both fossil and recent conchology, to the "American Journal of Conchology," Journal and Proceedings of the Academy, and other scientific periodicals.

At the time of his death, he had just completed an elaborate essay on the fossil Mollusca of Central America, illustrated by 80 drawings made by himself, which is now in the hands of the proper committee for publication in the Journal of the Academy.

From the report of our Conservator, we find that the additions to the museum, all of which have been labelled and arranged in the cases, aggregate 725 trays, 1570 specimens.

Of the "Robert Swift" cabinet, the non-operculate land shells have been labelled and arranged in 3933 trays, 18,348 specimens, making a total of 4658 trays, and 19,918 specimens. Adding these to the totals of former years, we have the following as the present census of the museum (recent shells only):—

Total number of trays,	34,658
Total number of specimens,	119,918

Our Conservator says: "The additions of the current year have all been cleansed and mounted by the experienced hands of Mr. Charles F. Parker, who has as usual freely devoted to this purpose a large portion of his time not occupied by his official duties as Curator. He has also labelled and mounted the fossil shells presented during the year. The unscientific separation, in our museum, of the fossil from the recent shells is much to be regretted; yet their rearrangement in a single series is impossible in the present crowded condition of the cases. A further great enlargement of the Museum of the Academy, needed by the unexampled growth of all its departments, will afford the only opportunity for consummating this reform in the conchological portion—a reform imperatively demanded by the present status and apparent future of the science, and which is already being realized in other museums.

The following are the additions to the Conchological Museum, received during the year:—

C. B. Barrett. Fossil shells from the marl of Vincenttown, N. J.
Dr. J. P. Bethell. *Ostrea* sp. and *Perna maxillata*, Conr., from Ashley River, South Carolina.

Thomas Bland. Eighteen species of terrestrial shells, from Polynesia and South America.

W. W. Calkins. *Litiopa striata*, from Florida.

- T. A. Conrad (dec'd). Eight species of marine and fresh-water shells.
- John Ford. Fossil oyster, from the Hadrosaurus marl-pit, Haddonfield, N. J.
- Egg cases of *Sycotypus canaliculatus*, L., Atlantic City, N. J.
- Petricola pholadiformis* (in situ), and fine group of *Mytilus edulis*, from Cape May, N. J.
- Crepidula fornicata*, L., Long Island Sound.
- Mytilus hamatus*, Say, Princes' Bay, N. Y. harbor.
- Petricola pholadiformis*, Atlantic City, N. J.
- Wm. M. Gabb (dec'd). Thirty-three species of Tertiary mollusca, collected in the West Indies, by R. J. L. Guppy; one hundred and eighteen species of miocene and pliocene shells, 80 of which are types of new species, from Costa Rica: also a small collection from San Domingo.
- Mrs. Gabb. Terrestrial shells, collected in San Domingo, by the late Wm. M. Gabb.
- Henry Hemphill. A collection (139 species) of land and fresh-water shells made by him in Utah. (In exchange.)
- Mr. Hergesheimer. *Gyrodus*, from Budd's Ferry, Lower Potomac, Va.
- Russell Hill. *Natica aurantia*, Lam.
- Dr. Geo. H. Horn. Five species (numerous specimens) of land shells from Polynesia.
- Dr. W. H. Jones, U. S. N. A number of specimens of mollusks in alcohol, collected during a cruise of the U. S. ship Portsmouth in the Pacific, 1872-5.
- Dr. Geo. W. Lawrence. *Baculites*, *Ammonites*, three *Gastropods*, and a *Lamellibranch*. from Clark County, Ark.
- Henry C. Lea. Types of 100 species of tertiary fossils, described by him.
- Isaac Lea. Two large *Ammonites*.
- Dr. Joseph Leidy. *Donax fossor*, Say, (numerous specimens), from Cape May, N. J.; *Mastra solidissima*, Chemn., bored by *Natica heros*, Say, Atlantic City, N. J.
- Charles F. Parker. *Nautilus pompilius*, L., a fine section, showing the chamber partitions and siphon tubes.
- John S. Phillips Fund. 533 species of shells (795 specimens), all new to the Academy's collection.
- Mrs. Riggin. *Marginella apicina*, Mke., from Sarasota Bay, Fla.

Dr. W. S. W. Ruschenberger. Three species of shells from Apia, Island of Upolu, Navigators' Group.

John H. Redfield. Twenty-eight species of post-pliocene shells, from California.

S. R. Roberts. *Anodonta implicata*, Say, and *A. fluviatilis*, Dillw.

R. Swift Fund. Thirty-six species of post-pliocene fossil shells, from California.

G. W. Tryon, Jr. Eighteen species of Californian post-pliocene shells.

Wm. S. Vaux. One hundred and eighty species of post-pliocene and cretaceous shells, from California.

L. C. Wooster. Three species of land shells, from the alluvium of Cache-la-poudre River, Greely, Colorado.

The officers of the Section for 1879 are :—

Director W. S. W. Ruschenberger.

Vice Director . . . John Ford.

Recorder S. Raymond Roberts.

Secretary E. R. Beadle.

Treasurer Wm. M. Mactier.

Librarian Edw. J. Nolan.

Conservator Geo. W. Tryon, Jr.

Respectfully submitted,

S. RAYMOND ROBERTS,

Recorder.

REPORT OF THE ENTOMOLOGICAL SECTION.

During the year that has elapsed since the last annual meeting of the Academy, the Entomological Section has regularly held its monthly meetings, with the exceptions of those of July and August, a recess having been taken from June to September. The meetings generally were quite interesting, on account of the numerous verbal communications made. These remarks have been principally directed towards the illustration of generic and specific forms of the families of various orders of insects, and as illustrated by blackboard drawings were calculated to render much assistance to the student.

During the year the Entomological Section has lost two of its